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L4	3	("5812434" "5903477" "6083266").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 11:08
L5	2	("4933889" "5270647").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/25 11:18
L9	1776	electromagnetic and moment and current and (matrix or matrices) and @ad<"20010101"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/25 11:24
L10	360	L9 and antenna	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/25 11:24
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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

- ☐ 1. **Analysis and placement of Yagi-Uda arrays in multi antenna receiving sy:**
 Rao, P.H.; Mishra, J.K.; Chordia, A.;
 Electromagnetic Interference and Compatibility, 1995. International Conference 6-8 Dec. 1995 Page(s):473 - 475
 Digital Object Identifier 10.1109/ICEMIC.1995.501629
[AbstractPlus](#) | Full Text: [PDF\(196 KB\)](#) IEEE CNF
- ☐ 2. **An efficient fringe integral equation method for optimizing the antenna lo complex bodies**
 Jorgensen, E.; Meincke, P.; Breinbjerg, O.;
 Antennas and Propagation Society International Symposium, 2001. IEEE Volume 2, 8-13 July 2001 Page(s):584 - 587 vol.2
 Digital Object Identifier 10.1109/APS.2001.959791
[AbstractPlus](#) | Full Text: [PDF\(176 KB\)](#) IEEE CNF
- ☐ 3. **A notch-wire composite antenna for polarization diversity reception**
 Kuga, N.; Arai, H.; Goto, N.;
 Antennas and Propagation, IEEE Transactions on Volume 46, Issue 6, June 1998 Page(s):902 - 906
 Digital Object Identifier 10.1109/8.686779
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(216 KB\)](#) IEEE JNL
- ☐ 4. **Effects of circuit geometry on the electromagnetic radiations of small cir**
 Scott Bennett, W.;
 Electromagnetic Compatibility, 1997. IEEE 1997 International Symposium on 18-22 Aug. 1997 Page(s):298 - 301
 Digital Object Identifier 10.1109/ISEMC.1997.667692
[AbstractPlus](#) | Full Text: [PDF\(276 KB\)](#) IEEE CNF
- ☐ 5. **Characteristics of the wire biconical antenna used for EMC measurement**
 Austin, B.A.; Fourie, A.P.C.;
 Electromagnetic Compatibility, IEEE Transactions on Volume 33, Issue 3, Aug. 1991 Page(s):179 - 187
 Digital Object Identifier 10.1109/15.85131
[AbstractPlus](#) | Full Text: [PDF\(604 KB\)](#) IEEE JNL
- ☐ 6. **VHF helicopter antennas that incorporate the airframe and reduce rotor n**
 Richie, J.E.; Barrett, T.J.;
 Electromagnetic Compatibility, IEEE Transactions on Volume 42, Issue 3, Aug. 2000 Page(s):298 - 302
 Digital Object Identifier 10.1109/15.865337



electromagnetic current moment antenna sym 1951 - 2000

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Moment-method solution of the center-fed microstrip disk antenna invoking feed and edge current ...

S Pinhas, S Shtrikman, D Treves - IEEE Transactions on Antennas and Propagation, 1989 - ieeexplore.ieee.org

... way the convergence rate of the **moment** method solution ... CENTER-FED MICROSTRIP DISK

ANTENNA 1517 The above integral ... $J_{ca}, o(r) = r$ ie, the **current**-derivative with ...

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REDUCTION OF VECTOR UNKNOWNNS USING GEOMETRIC SYMMETRY

INATPM METHOD - IEEE TRANSACTIONS ON MAGNETICS, 1992 - ieeexplore.ieee.org

... method is applied to the triangular-patch **moment** ... field calculated by the **current**

distribution in the ... DR Wilton and AW Gilsson: "Electromagnetic Scattering by ...

[Web Search](#)

Study of rotationally symmetric antenna with wider beamwidth

D Yagyu, K Tanaka, T Fujimoto, M Taguchi - Electronics & Communications in Japan, Part I: ..., 2000 -

doi.wiley.com

... **antenna**; rotationally sym- metric **antenna**; **moment** method; wide ... surface, namely, the

equivalent **electromagnetic** currents on ... the v component of the **current** in v ...

[Web Search](#) - doi.wiley.com - csa.com

Comparison of Moment Method Solutions for Wires Attached to Arbitrary Surfaces

JM Taboada, JL Rodriguez, F Obelleiro - Antennas and Propagation Society International Symposium, ..., 2000 -

ieeexplore.ieee.org

... testing procedures for subdomain **moment** method formulations ... Page 2. 2 **Electromagnetic**

Formulation The induced **current** ... thus leaving the **current** distribution more ...

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Electromagnetic Radiation of Antennas in the Presence of an Arbitrarily Shaped Dielectric

Object: ...

Y Huang, LW Li, MS Leong - Antennas and Propagation Society, 1999. IEEE International ..., 1999 -

ieeexplore.ieee.org

... in an integral form of the **electromagnetic** fields due ... 6]. The infinitesimal dipole

with a **current moment** p is ... 6 that the **antenna** pattern in far zone is still ...

[Web Search](#) - ieeexplore.ieee.org

Analysis of electromagnetic scattering from dielectric cylinders using a multifilament current model

Y Leviatan, A Boag - IEEE Transactions on Antennas and Propagation, 1987 - ieeexplore.ieee.org

... of **Electromagnetic** Scattering from Dielectric Cylinders Using a Multifilament **Current**

Model YEHUDA LEVIATAN, MEMBER, EEE, AND AMIR BOAG Abstract-A **moment** ...

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A Galerkin moment method for the analysis of an insulated antenna in a dissipative dielectric medium

PE Atlamazoglou, NK Uzunoglu - IEEE Transactions on Microwave Theory and Techniques, 1998 -

ieeexplore.ieee.org

... field radiated by the **antenna** in the ... at the coefficients determined via the **moment**

method as ... the characteristics (length, orientation, **current** distribution) of ...

Cited by 7 - [Web Search](#) - ieeexplore.ieee.org

Highly efficient large-domain moment-method analysis and CAD of radio-frequency antennas mounted on ...

ML Djordjevic, BM Notaros - IEEE VEH TECHNOL CONF, 2000 - [ieeexplore.ieee.org](#)
... efficient large-domain **moment**-method analysis ... difficult general radiationscattering
electromagnetic (EM) problem ... electric and magnetic **current** density vectors ...
Cited by 2 - [Web Search](#) - [ieeexplore.ieee.org](#) - [csa.com](#)

A multiradius, reciprocal implementation of the thin-wire **moment** method

M Tilston, KG Balmain, H DESCRIPTION - IEEE Transactions on Antennas and Propagation, 1990 - [ieeexplore.ieee.org](#)

... computer program for the **electromagnetic** analysis of ... OF MULTIRADIUS BRIDGE-CURRENT
MOMENT METHOD Computations ... the multiradius bridge-**current** (MBC) program will ...
Cited by 7 - [Web Search](#) - [ieeexplore.ieee.org](#) - [adsabs.harvard.edu](#) - [csa.com](#) - all 5 versions »

... TRANSACTIONS ON MAGNETICS, VOL. 26, NO. 2, MARCH 1990 NUMERICAL
ANALYSIS OF ANTENNA BY A SURFACE ...

M Analoui, H Tsuboi, T Nakata5t - IEEE TRANSACTIONS ON MAGNETICS, 1990 - [ieeexplore.ieee.org](#)

... for calculation of the surface **current** distribution ... Tsuboi, M. Analoui and T. Misaki:

"**Electromagnetic** field Analysis of wire **Antenna** by **moment** method ...

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Moment method analysis of infinite stripline-fed tapered slot antenna arrays with a ground plane

DH Schaubert, JA Aas, ME Cooley, NE Buris - IEEE Transactions on Antennas and Propagation, 1994 - ieeexplore.ieee.org

... Finally, results for a tapered slot antenna array are ... II. Twn **MOMENT** MThOD FORMULATION

A. Use of Equivalence By ... The electric surface **current** Ja backed by a ...

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Analysis of electromagnetic scattering from dielectric cylinders using a multifilament current model

Y Leviatan, A Boag - IEEE Transactions on Antennas and Propagation, 1987 - ieeexplore.ieee.org

... of **Electromagnetic** Scattering from Dielectric Cylinders Using a Multifilament **Current**

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Hybrid moment-method physical-optics formulation for modeling the electromagnetic behavior of on- ...

F Obelleiro, JM Taboada, JL Rodriguez, JO Rubinos, ... - Microwave and Optical Technology Letters, 2000 - doi.wiley.com

... for **electromagnetic** compatibility EMC control. ... Since the traditional **moment** \hat{Z} ... in 2,

3. These techniques can be classified as either ray based or **current** based ...

Cited by 7 - [Web Search](#) - doi.wiley.com

Coupling of finite element and moment methods for electromagnetic scattering from inhomogeneous ...

X Yuan, DR Lynch, JW Strohbehn - IEEE Transactions on Antennas and Propagation, 1990 - ieeexplore.ieee.org

... matrix equation for the equivalent **current** sources for ... lution, and RichmoNd's pure

moment solution ... INTRODUCTION T HE PROBLEM OF **ELECTROMAGNETIC** scattering and ...

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Electromagnetic modeling of composite wire and surface geometries

EH NEWMAN, DM POZAR - IEEE Transactions on Antennas and Propagation, 1978 - ieeexplore.ieee.org

... the most widely used tool for the **electromagnetic** modeling of ... integral equation

(5) is solved by the **moment** method. The unknown **current** J, is expanded in a set ...

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Finite difference time domain calculations of antenna mutual coupling

R LUEBBERS, K KUNZ - IEEE Transactions on **Electromagnetic** Compatibility, 1992 - ieeexplore.ieee.org

... The wire radius for the **Moment** Method ... 358 IEEE TRANSACTIONS ON **ELECTROMAGNETIC**

COMPATIBILITY, VOL. ... 57 CM Fed Dipole **Current** 10.5 ciii spacIng, 13 vi11 paskive ...

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Radiation from a linear microstrip array antenna including radome and back structure

P Slaetman, AA Kishk - Microwave and Optical Technology Letters, 1999 - doi.wiley.com

... this can be exploited in the **electromagnetic** analysis ... also be used together with

the **moment** method to ... we assume a fundamental sinusoidal surface **current** mode on ...

Cited by 5 - [Web Search](#) - doi.wiley.com - csa.com

The Moment Method Solution for Printed Wire Antennas of Arbitrary Configuration

H NAUNO, SR KERNER, NG ALEXOPOULOS - IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 1988 - ieeexplore.ieee.org

... by Sommerfeld-type integrals and **moment**-method solutions ... is focused on a printed

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S Pinhas, S Shtrikman, D Treves - IEEE Transactions on Antennas and Propagation, 1989 - ieeexplore.ieee.org
... of a microstrip disk-**antenna** excited by a probe at its center is studied using a **moment-method** approach for the evaluation of the surface **current** on the disk. ...

... The point-matching formulation of the **moment** method was used to compute the **electromagnetic** field of the **antenna** and the **current** distribution on the **antenna**. ...

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